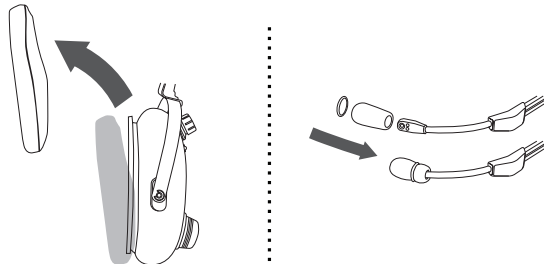


## MAINTENANCE

### Care and Maintenance

- Inspect ear seals and mic muff frequently for wear. Replace at 6 month intervals. If you see any defect such as holes or cracks in the ear domes, ear seals, or headband, headset should be immediately repaired or replaced.
- Do not remove the foam speaker cover.
- To ensure proper function, keep the microphone away from excessive moisture. Do not store headset in high temperature environments or direct sunlight.
- Wipe headset and ear seals with a mild soap and water mixture only. The foam mic muff may be removed and cleaned in a mild detergent, or replaced by ordering from Flightcom.



To Order Flightcom Accessories:  
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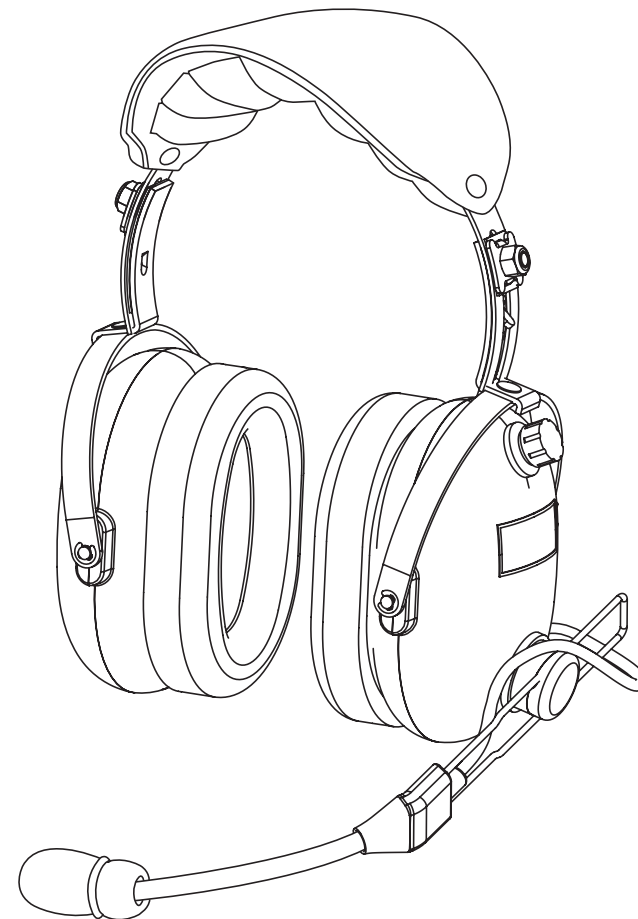
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P/N: 600-3041-00 Rev. A

# FLIGHTCOM VENTURE™

## GENERAL AVIATION V50ANR HEADSET

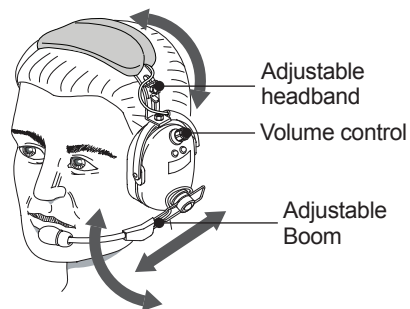
### Operation Manual



General Aviation



## HEADSET ADJUSTMENTS



**Mic Placement**  
Place mic no more than 1/8" from lips. Placement of mic is critical for proper operation of intercom and radio communication.

## INSTALLATION

- Insert the larger headset plug into the jack marked "headphone" or "phone" (on your aircraft com panel, intercom or radio).
- Insert the smaller headset plug into the jack marked "microphone" or "mic."
- Set the stereo/mono switch on the cable splitter box to the "M" position. If connecting to a stereo intercom, set the switch to the "S" position.
- If you are not sure about the type of intercom in the aircraft, test the headset by selecting the "S" position and talking into the headset. If you hear sidetone out of one ear only, you have a mono intercom. Move the switch to "M."
- **For the ANR model:** The stereo/mono switch is located on the back of the in-line battery box, near the clip.
- Adjust the headband sliders for proper fit and comfort, making sure the boom is being worn on the left side of the head.
- Individual volume controls are located on the front of each eardome to reduce or adjust the level of audio in each headset ear cup.
- **For the ANR model:** Once the 9-volt battery is installed, turn the ANR power to the ON position, indicated with the symbol "I". The OFF position is indicated with an "o". A blinking green LED indicates the active noise cancellation circuit is ON. A blinking red LED indicates low battery life. (For proper battery installation, see the diagram in the Care and Maintenance section of this guide.)

If the aircraft does not have a built-in push-to-talk (PTT) switch, a portable PTT switch must be installed in order to use the radio.

An avionics technician should optimize the master gain control located in the aircraft radio whenever adding a new model microphone to the system.

**Sure Power System (SPS):** To conserve battery life, ANR models will automatically shut off the ANR circuit if no audio is sensed by the headset for a period of 28 minutes. Full passive performance is maintained. ANR operation is reactivated by turning the ANR power switch to the OFF position and back to the ON position, indicated with the symbol "I".

## HEADSET FEATURES

- Active Noise Reduction
- Stereo/Mono switchable
- Noise-canceling electret microphone
- Adjustable Headband
- Flexible mic boom with slide adjustment for accurate mic positioning

## SPECIFICATIONS

### TECHNICAL SPEC

- Weight ..... 16.8 Oz (w/o Comm Cable)

### MICROPHONE

- DC Bias Supply ..... 8 to 16 volts, not polarity sensitive  
- Source Resistance ..... 220 to 2200 ohms

### MIL SPEC

- Humidity & Temperature per MIL-STD 810F and 810G  
- Chemical Exposure per MIL-STD 810F and 810G

### SAE

- Salt Spray per J1455, Sec. 4.3

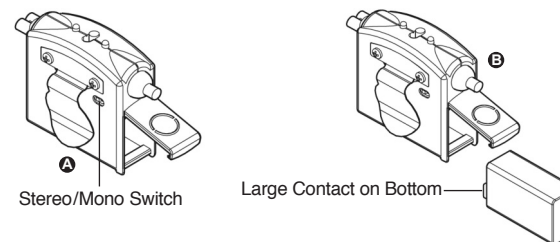
## REPLACING THE BATTERY

To install or replace the ANR battery, open the battery door by sliding the door in a downward motion until it unlatches and lift up as shown in diagram A.

Slide the 9-volt battery in with the larger battery contact on the bottom. If you put the battery in upside down, it will not activate. See diagram B.

Battery life is dependent on the ambient noise in the aircraft, but should provide a minimum of 20 hours of continuous use.

**CAUTION:** Bias voltage supplied to the microphone must come from voltage and resistance ranges specified below. Voltages supplied in excess of those stated in the specifications can cause microphone failure and void the warranty. The mic audio signal is present between the ring and barrel of the mic plug; tip is reserved for transmit keyline.



## WIRING DIAGRAM

### Caution:

Bias voltage supplied to the microphone must come from voltage and resistance ranges specified above. Voltages supplied in excess of those stated in the specifications can cause microphone failure and void warranty. The mic audio signal is present between the ring and barrel of the mic plug; tip is reserved for transmit keyline.

